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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known			
Application Number	10/660,996		
Filing Date	September 12, 2003		
First Named Inventor	David J. Ecker		
Art Unit	Not Yet Assigned		
Examiner Name	Not Yet Assigned		
Attorney Docket Number	IBIS0064-100 (DIBIS-0002US.P5)		

			U.S. PATENT	OCUMENTS	
Examiner	iner Cite Document Number	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
Initiats *	No.1	Number - Kind Code ² (if known)	MM-OD-YYYY	Cited Document	Passages or Relevant Figures Appear
N	AA	US-5,849,492	12/15/1998	Rogan	_
1	AB	US- 5,965,363	10/12/1999	Monforte et al	
	AC	US- 5,605,798	02/25/1997	Koster	
	AD	US- 5,547,835	08/22/1996	Koster	
	AE	US- 5,622,824	04/22/1997	Koster	
1/	AF	US- 5,872,003	02/16/1997	Koster	
2	AG	US- 5,691,141	11/25/1997	Koster	
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		FOREIGN PA	TENT DOCU	MENTS		
	.	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
Examiner Cite Initials* No.1 Country Code3 - Number4 - Kind Code5 (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶		
1	BA	WO99/14375	03/23/99	Genetrace Systems		
	BB	WO97/33000	09/12/97	Genetrace Systems		
	BC	WO98/20166	05/14/98	Sequenom		
	BD	WO97/37041	10/09/97	Sequenom		
	BE	WO99/31278	06/24/99	Sequenom		
	BF	WO98/54751	12/03/98	Genetrace Systems		
V	BG	WO98/12355	03/26/98	Genetrace Systems		
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Examiner Signature	Date Considered	2/17/06

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Substitute for form 1449A/PTO			Complete if Known		
INIEO	D1447	ON DIS		Application Number	10/660,996
INFORMATION DISCLOSURE				Filing Date	September 12, 2003
STAT	STATEMENT BY APPLICANT			First Named Inventor	David J. Ecker
				Group Art Unit	Not Yet Assigned
	(use as ma	ny sheets as	necessary)	Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	IBIS0064-100 (DIBIS-0002US.P5)

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	τ,
N	CA	Aaserud, et al., "Accurate base composition of double-strand DNA by mass spectrometry," J. Am. Soc. Mass Spec. (1996) 7:1266-1269.	
	СВ	Muddiman, et al., "Length and base composition of PCR-amplified nucleic acids using mass measurements from electrospray ionization mass spectrometry," Anal. Chem. (1997) 69:1543-1549.	
	СС	Wunschel, et al., "Heterogeneity in bacillus cereus PCR products detected by ESI-FTICR mass spectrometry," Anal. Chem. (1998) 70:1203-1207.	
	CD	Muddiman, et al., "Sequencing and characterization of larger oligonucleotides by electrospray ionization fourier transform ion cyclotron resonance mass spectrometry," Rev. Anal. Chem. (1998) 17:1-88.	
	CE	Hurst, et al., "Detection of bacterial DNA polymerase chain reaction products by matrix-assisted laser desorption/ionization mass spectrometry," Rapid. Comm. Mass. Spec. (1996) 10:377-382.	
1	CF	Muddiman, et al., *Precise mass measurement of a double-stranded 500 base-pair (309 kDa) polymerase chain reaction product by negative ion electrospray ionization fourier transform ion cyclotron resonance mass spectrometry, *Rapid Comm. Mass Spec. (1999) 13:1201-1204.	
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Examiner Signature	1	Date Considered	2/17/06	

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete If Known		
Application Number	10/660,996	
Filing Date	September 12, 2003	
First Named Inventor	David J. Ecker	
Art Unit	1632	
Examiner Name	Not Yet Assigned	
Attorney Docket Number	IBIS0064-100 (DIBIS-0002US.P4)	

U.S. PATENT DOCUMENTS					
Examiner	Cito	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevan
Initials *	Cite No. ¹	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
M	A1	US-6,613,509	09/02/2003	Chen	
N	A2	US- 6,043,031	03/28/2000	Koster et al	
	A3	US- 6,221,587	04/24/2001	Ecker et al	
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	FOREIGN PATENT DOCUMENTS					
Examiner	Cito	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Initials*	Cite No. ¹	Country Code ³ - Number ⁴ - Kind Code ³ (<i>if known</i>)	Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T⁰
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Examiner Signature	1	Date Considered	2/17/06	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 5

Complete if Known		
Application Number	10/660,996	
Filing Date	September 12, 2003	
First Named Inventor	David J. Ecker	
Group Art Unit	Not Yet Assigned	
Examiner Name	Not Yet Assigned	
Attorney Docket Number	IBIS0064-100/DIBIS-0002US.P4	

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
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V	S11	FOX, et al., "Identification of Brucella by ribosomal-spacer-region PCR and differentiation of Brucell canis from other Brucella spp. pathogenic for humans by carbohydrate profiles," J. Clin. Microbiol. (1998) 36:3217-3222.	

Examiner Signature Date Considered 2/11/66
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¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO Complete if Known **Application Number** 10/660,996 INFORMATION DISCLOSURE Filing Date September 12, 2003 STATEMENT BY APPLICANT First Named Inventor David J. Ecker Group Art Unit Not Yet Assigned (use as many sheets as necessary) **Examiner Name** Not Yet Assigned of 5 IBIS0064-100/DIBIS-0002US.P4 Sheet Attorney Docket Number

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	,
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
1	S12	FOX et al., "Report of the 'Bioterrorism Workshop", J. Microbol. Methods (2002) 51:247-254.	
	S13	GRIFFEY and GREIG, "Detection of base pair mismatches in duplex DNA and RNA oligonucleotides using electrospray mass spectrometry," SPIE (1997) 2985:82-86.	
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	S20	ISOLA, et al., "MALDI-TOF mass spectrometric method for detection of hybridized DNA oligomers," Anal. Chem. (2001) 73:2126-2131.	
V	S21	JANKOWSKI and SOLER, "Mass spectrometry of DNA: Part 2" Quantitative estimation of base composition," Eur. J. Mass Spectrom. Biochem. Med. Environ. Res. (1980) 1:45-52.	
V	S22	KAGEYAMA and BENNO, "Rapid detection I human fecal Eubacterium species and related genera by tested PCR method," Microbiol. Immunol. (2001) 45:315-318.	

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Examiner	Date	2/1 7/06	
Signature	Considered	. 1000	

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Substitute for form 1449A/PTO	Complete if Known		
INFORMATION DICCLOSURE	Application Number	10/660,996	
INFORMATION DISCLOSURE	Filing Date	September 12, 2003	
STATEMENT BY APPLICANT	First Named Inventor	David J. Ecker	
•	Group Art Unit	Not Yet Assigned	
(use as many sheets as necessary)	Examiner Name	Not Yet Assigned	
Sheet 3 of 5	Attorney Docket Number	IBIS0064-100/DIBIS-0002US.P4	

Examiner	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т
1	S23	LITTLE, et al., "Rapid sequencling of oligonucleotides by high-resolution mass spectrometry," J. Am. Chem. Soc. (1994) 116:4893-4897.	
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	S28	MORICCA, et al., "Detection of Fusarium oxysporum f.sp. vasinfectum in cotton tissue by polymerase chain reaction," Plant Pathol. (1998) 47:486-494.	
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	S30	NAGPAL, et al., "Utility of 16S-23S rRNA spacer region methodology: how similar are interspace regions within a genome and between strains for closely related organisms?," J. Microbiol. Methods (1998) 33:211-219.	
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V	S32	NULL, et al., "Evaluation of sample preparation techniques for mass measurements of PCR products using ESI-FT-ICR mass spectrometry," Am Soc. Mass Spectrom. (2002) 13:338-344.	

Examiner Signature		Date Considered	2/17/4
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	Substitute	for form 1449A/PTC)			Complete if Known
		DAAATION	DIO	OL COURT	Application Number	10/660,996
				CLOSURE	Filing Date	September 12, 2003
	STAT	EMENT B	YA	PPLICANT	First Named Inventor	David J. Ecker
					Group Art Unit	Not Yet Assigned
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$\overline{}$	Sheet	4	of	5	Attorney Docket Number	IBIS0064-100/DIBIS-0002US.P4

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
1	S33	NULL and MUDDIMAN, "Determination of a correction to improve mass measurement accuracy of isotopically unresolved polymerase chain reaction amplicons by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry," Rapid Comm. Mass Spectrom. (2003) 17:1714-1722.	
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,	/ S41	SHAVER, et al., "Restriction fragment length polymorphism of rRNA operons for discrimination and intergenic spacer sequences for cataloging of Bacilus subtilis sub-groups," J. Microbiol. Methods (2002) 50:215-223.	
V	S42	SRINIVASAN, et al., "Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry as a rapid screening method to detect mutations causing Tay-Sachs disease," Rapid Comm. Mass Spectrom. (1997) 11:1144-1150.	
V	S43	STEFFENS and ROY, "Sequence analysis of mitochondrial DNA hypervariable regions using infrared fluorescence detection," Bio/Techniques (1998) 24:1044-1046.	

Signature Considered Wift

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INIEO	DALATI	ON DIC	CLOCUDE	Application Number	10/660,996	
			CLOSURE	Filing Date	September 12, 2003	
STAT	LEMEN.	T BY A	PPLICANT	First Named Inventor	David J. Ecker	
				Group Art Unit	Not Yet Assigned	
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